



INVESTIGATOR'S ANNUAL REPORT

United States Department of the Interior
National Park Service

All or some of the information you provide may become available to the public.

OMB # (1024-0236)
Exp. Date (11/30/2010)
Form No. (10-226)

Reporting Year: 2009	Park: Shenandoah NP	Select the type of permit this report addresses: Scientific Study	
Name of principal investigator or responsible official: Christopher Bailey		Office Phone: 757-221-2445	
Mailing address: Dept Of Geology P.O. Box 8795 College of William & Mary Williamsburg, VA 23187 USA		Office FAX 757-221-2093 Office Email cmbail@wm.edu	
Additional investigators or key field assistants (first name, last name, office phone, office email) No co-investigators			
Project Title (maximum 300 characters): Structural Geology and Tectonic History of the Shenandoah National Park Region			
Park-assigned Study or Activity #: SHEN-00311	Park-assigned Permit #: SHEN-2008-SCI-0007	Permit Start Date: May 01, 2008	Permit Expiration Date: Apr 07, 2009
Scientific Study Starting Date: May 01, 2008		Estimated Scientific Study Ending Date: Apr 07, 2009	
For either a Scientific Study or a Science Education Activity, the status is: Completed		For a Scientific Study that is completed, please check each of the following that applies: <input checked="" type="checkbox"/> A final report has been provided to the park or will be provided to the park within the next two years <input type="checkbox"/> Copies of field notes, data files, photos, or other study records, as agreed, have been provided to the park <input type="checkbox"/> All collected and retained specimens have been cataloged into the NPS catalog system and NPS has processed loan agreements as needed	
Activity Type: Research			
Subject/Discipline: Geology / General			

Purpose of Scientific Study or Science Education Activity during the reporting year (maximum 4000 characters):

The purpose of this project is to better understand the structural geology, timing of geologic events, and overall tectonic history of the Blue Ridge and Great Valley Region in and near Shenandoah National Park. This study is collaborative research with the U.S. Geologic Survey's ongoing studies of the Appalachian Mountains.

Findings and status of Scientific Study or accomplishments of Science Education Activity during the reporting year (maximum 4000 characters):

We published a new 1:100,000 scale geologic map of Shenandoah National Park and ran a conference (Virginia Geological Field Conference) in the Park in October which attracted 120 participants.

For Scientific Studies (not Science Education Activities), were any specimens collected and removed from the park but not destroyed during analysis?

Yes

If "Yes", identify where the specimens currently are stored:

At William & Mary or at the U.S. Geological Survey

Funding specifically used in this park this reporting year that was provided by NPS (enter dollar amount):

\$0

Funding specifically used in this park this reporting year that was provided by all other sources (enter dollar amount):

\$10000

List any other U.S. Government Agencies supporting this study or activity and the funding each provided this reporting year:

Paperwork Reduction Act Statement: A federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Public reporting for this collection of information is estimated to average 1.625 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the forms. Direct comments regarding this burden estimate or any aspect of this form to Dr. John G. Dennis, Natural Resources (3127 MIB), National Park Service, 1849 C Street, N.W., Washington, DC 20240.